

ABSTRACT

- 5 A process for treating a silica film on a substrate, which includes reacting a suitable silica film with an effective amount of a surface modification agent, wherein the silica film is present on a substrate. The reaction is conducted under suitable conditions and for a period of time sufficient for the surface modification agent to form a hydrophobic coating on the film. The surface modification agent includes at least one
- 10 type of oligomer or polymer reactive with silanols on the silica film. Dielectric films and integrated circuits including such films are also disclosed.